AN

L46 ANSWER 1 OF 1 JAPIO (C) 2004 JPO on STN
ACCESSION NUMBER: 1992-049290 JAPIO Full-text
TITLE: PRODUCTION OF OPTICALLY ACTIVE AMIDE DERIVATIVE
INVENTOR: KUWAZUKA TOSHIAKI; WATANABE SEIICHI; ISHIKAWA KATSUTOSHI; TANAKA YOSHINORI
PATENT ASSIGNEE(S): MITSUI TOATSU CHEM INC
PATENT INFORMATION:

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APPLICATION INFORMATION
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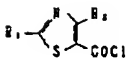

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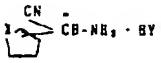
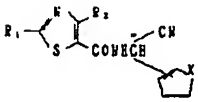


II



III

ABSTRACT:
PURPOSE: To obtain the subject compounds of high optical purity useful as an agricultural fungicide without lacemization by reacting an optically active aminoacetonitrile salt with a thiazole carboxylic acid chloride in the presence of a base in a suspension state. CONSTITUTION: A thiazole carboxylic acid chloride (e.g. thiazole-5-carboxylic acid chloride) or formula I (R<SB>1</SB> and R<SB>2</SB> are H, 1-4C lower alkyl, haloalkyl or phenyl) is made to react with an optically active aminoacetonitrile (e.g. D-2- amino-2-furylacetonitrile) of formula II (C* is asymmetric carbon; X is O or S; HY is optically active acid) in the presence of a base in a suspension state to obtain the objective compound of formula III. The base is an organic base showing a crystalline state at the ordinary temperature and imidazole, 1,2,4-triazole, etc., are exemplified. The reaction temperature is -10 to 50°C, preferably within a range of 0-20°C. COPYRIGHT: (C)1992,JPO&Japio